


PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 30315		FOR FURTHER ACTION		See Form PCT/PEAA416
International application No. PCT/CA2004/000897		International filing date (day/month/year) 18.06.2004		Priority date (day/month/year) 18.06.2003
International Patent Classification (IPC) or national classification and IPC G06F17/30, H04L9/00, G06F17/27, G06F3/023				
Applicant ZI CORPORATION et al.				
<p>1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of 6 sheets, including this cover sheet.</p> <p>3. This report is also accompanied by ANNEXES, comprising:</p> <p>a. <input type="checkbox"/> sent to the applicant and to the International Bureau a total of sheets, as follows:</p> <p><input type="checkbox"/> sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).</p> <p><input type="checkbox"/> sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.</p> <p>b. <input type="checkbox"/> (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) , containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).</p>				
<p>4. This report contains indications relating to the following items:</p> <p><input checked="" type="checkbox"/> Box No. I Basis of the opinion</p> <p><input type="checkbox"/> Box No. II Priority</p> <p><input type="checkbox"/> Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</p> <p><input type="checkbox"/> Box No. IV Lack of unity of invention</p> <p><input checked="" type="checkbox"/> Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</p> <p><input type="checkbox"/> Box No. VI Certain documents cited</p> <p><input type="checkbox"/> Box No. VII Certain defects in the international application</p> <p><input type="checkbox"/> Box No. VIII Certain observations on the international application</p>				
Date of submission of the demand 18.01.2005		Date of completion of this report 24.08.2005		
Name and mailing address of the international preliminary examining authority:  European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465		Authorized Officer Jaedicke, M Telephone No. +49 89 2399-2357		



INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/CA2004/000897

Box No. I Basis of the report

1. With regard to the **language**, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.
 - ☐ This report is based on translations from the original language into the following language , which is the language of a translation furnished for the purposes of:
 - ☐ international search (under Rules 12.3 and 23.1(b))
 - ☐ publication of the international application (under Rule 12.4)
 - ☐ international preliminary examination (under Rules 55.2 and/or 55.3)
2. With regard to the **elements*** of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report)*:

Description, Pages

1-8 as originally filed

Claims, Numbers

1-26 as originally filed

Drawings, Sheets

1/2-2/2 as originally filed

- ☐ a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing

3. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages
- ☐ the claims, Nos.
- ☐ the drawings, sheets/figs
- ☐ the sequence listing (*specify*):
- ☐ any table(s) related to sequence listing (*specify*):

4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

- ☐ the description, pages
- ☐ the claims, Nos.
- ☐ the drawings, sheets/figs
- ☐ the sequence listing (*specify*):
- ☐ any table(s) related to sequence listing (*specify*):

* If item 4 applies, some or all of these sheets may be marked "superseded."

**INTERNATIONAL PRELIMINARY REPORT
ON PATENTABILITY**

International application No.
PCT/CA2004/000897

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Yes: Claims	
	No: Claims	1,4-18, 21-25
Inventive step (IS)	Yes: Claims	
	No: Claims	1-26
Industrial applicability (IA)	Yes: Claims	1-26
	No: Claims	

2. Citations and explanations (Rule 70.7):

see separate sheet

**INTERNATIONAL PRELIMINARY
REPORT ON PATENTABILITY
(SEPARATE SHEET)**

International application No.

PCT/CA2004/000897

Re Item V

Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Reference is made to the following documents:

D1: EP-A-1 031 913 (NOKIA MOBILE PHONES LTD) 30 August 2000 (2000-08-30)
D2: US-A-5 818 437 (GROVER DALE L ET AL) 6 October 1998 (1998-10-06)
D3: US-A-5 953 541 (GRUNBOCK CHERYL A ET AL) 14 September 1999 (1999-09-14)
D4: EP-A-1 259 051 (TENOVIS GMBH & CO KG) 20 November 2002 (2002-11-20)
D5: EP-A-1 006 704 (ECI TELECOM LTD) 7 June 2000 (2000-06-07)
D6: GB-A-2 197 097 (UNIV DUNDEE) 11 May 1988 (1988-05-11)
D7: US 2002/198027 A1 (RYDBECK NILS R) 26 December 2002 (2002-12-26)

2. At least some of the claimed subject-matters are unclear (Article 6 PCT). Hence the examination as to the requirements of Article 33(1) PCT is based on the examiner's interpretation of what is claimed, based on the application as a whole.

In particular, the wording of claim 1 is rather broad and vague and needs to be interpreted in the light of the description (Article 6 PCT).

3. The document D2 is regarded as being the closest prior art to the subject-matter of claim 1 and discloses (see D2, in particular Fig. 3 and col. 1, line 33 - col. 3, line 14):

An information identification system (see D2, abstract, figures), comprising:

a platform-framework software module which includes executable instructions to receive input from a user (see D2, abstract: the keystroke sequence is processed by the computer which means that there is a corresponding software module; no clear meaning can be attributed to the phrase "platform-framework", which has therefore been ignored);

a data-type software module which includes executable instructions to identify types

of data that might be returned to the user, the types of data being selected from a list of possible types of data based on input from the user (see D2, Fig.3 & col. 5, lines 40-51 and col. 2, lines 26-67, which discloses: a predictive editor which allows a user to enter an input key sequence which can be interpreted as a sequence of characters representing a word such as "aid" (first data type) or a number such as "166" (second data type): the list of "types of data" in D2 includes at least "numbers" and "words"; alternatively one could also read "type of data" on the two kinds of words which are distinguished in D2: words in the dictionary and words which are not in the dictionary);

a service-descriptor software module which includes executable instructions to identify valid actions corresponding to each identified type of data, the valid actions being selected from a list of possible actions (see D2, Fig. 3 and col. 6, lines 33-34: items in the selection list menu represent actions which the system can execute; moreover, the first and second information search modules (as identified below) perform also "actions");

a first information-search software module which includes executable instructions to identify a first set of information corresponding to a first one of the identified valid actions (see D2, Fig.3 and col. 2 lines 25-56: the editor has disambiguation software modules which search a dictionary to find words matching the input sequence using different interpretations of the input keys);

a second information-search software module which includes executable instructions to identify a second set of information corresponding to a second one of the identified valid actions (see D2, Fig.3 and col. 2 lines 57-67: the editor has disambiguation software modules which identifies numbers matching the input sequence using one possible interpretation of the input keys);

a processor, capable of executing at least one of the software modules (see D2, abstract, "computer" and claim 1, feature (a): microprocessor); and

a user interface, capable of providing the sets of information to the user such that the first set of information is more easily accessed by the user than the second set of

**INTERNATIONAL PRELIMINARY
REPORT ON PATENTABILITY
(SEPARATE SHEET)**

International application No.

PCT/CA2004/000897

information (see D2, Fig. 3 and col. 2, lines 26-34; col. 1, lines 50-58: the words found in the dictionary are presented before numbers and unusual words).

Because all the features of claim 1 have already been disclosed in D2, the subject-matter of claim 1 does not meet the requirements of Article 33 PCT in respect of novelty.

- 3.1 The objection against the novelty of claim 1 applies, mutatis mutandis, also to claim 18, which is directed to a method corresponding to claim 1.
4. The further claims 2-17 and 19-26 would appear to be not novel or inventive, because the subject matter added by these claims is either known from or suggested by the available prior art (cf. D2; if necessary in combination with D1 and D3-D7; please note that D1 references D2 (which means that a combination of D1 with D2 can be used to object to the novelty of claim 1) and mentions inter alia Internet browsing, phone books, and SMS as applications; moreover, a guess-ahead of phone numbers based on the leading digits from an existing phone book etc. is well known in the art).